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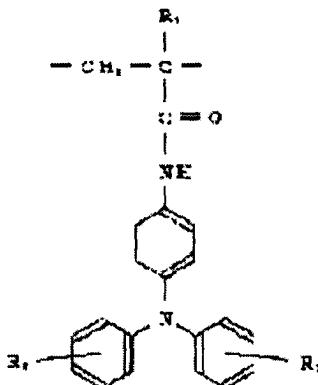
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(54) ORGANIC ELECTRO-LUMINESCENT ELEMENT

(57) Abstract:

PURPOSE: To improve light emission efficiency, light emission luminance and element stability by laminating an org. positive hole transporting layer contg. a high polymer having a specific monomer unit and an org. light emitting layer between electrodes.

CONSTITUTION: The surface of a glass substrate is coated with transparent ITO electrodes and the hole transportable high-polymer layer is formed on it by a dip coating method from a dichroloethane soln.; further, an electron transportable tris(8-quinolinolato)aluminum complex is deposited by vacuum evaporation as the light emitting layer. Finally, Mg and Ag are deposited by vacuum evaporation as cathode electrodes. The positive hole transportable high-polymer layer contains the high polymer having the monomer unit expressed by formula. In the formula, R₁ to R₃ denote the groups selected from a group consisting of a hydrogen atom, amino group, alkyl group, alkoxy group or (substd.) aryl group. As a result, the adhesion property of the positive hole transportable layer to the electrodes is enhanced and the implantation characteristics of charges is enhanced. The deterioration in the element by crystallization on flocculation is thus suppressed.



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